

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1 - 37 (cancelled).

1 38. (currently amended) A method of manufacturing a
2 construction element made from wood fibers, wood chips
3 and/or sawdust comprising the steps of:
4 providing said wood fibers, wood chips and/or sawdust,
5 applying an adhesive to said wood fibers, wood chips
6 and/or sawdust, and
7 pressing at a temperature below 120° C. the wood
8 fibers, wood chips and/or sawdust provided with said
9 adhesive to form said construction element.

1 39. (previously presented) The method of claim 38,
2 wherein the step of providing said wood fibers, wood chips
3 and/or sawdust includes providing at least some of said wood
4 fibers, wood chips and/or sawdust as recycled wood fibers,
5 wood chips and/or sawdust from the manufacture of said
6 construction elements.

1 40. (previously presented) The method of claim 39,
2 further including the step of grinding said construction
3 elements following said step of pressing, and wherein said
4 recycled wood fibers, wood chips and/or sawdust are obtained
5 from said grinding step.

Claim 41 (cancelled).

1 42. (previously presented) The method of claim 38,
2 wherein the step of pressing is done at a temperature below
3 95° C.

1 43. (previously presented) The method of claim 38,
2 wherein the step of pressing is done at a temperature below
3 60° C.

1 44. (previously presented) The method of claim 38,
2 wherein said adhesive includes reactive resins, that may be
3 hardened by cross-linking, selected from the group
4 consisting of urea resins, melamine resins, acrylic resins,
5 epoxy resins, polyester resins and mixtures thereof, and the
6 step of pressing said wood fibers, wood chips and/or sawdust
7 is free of substantial hardening of said adhesive.

1 45. (previously presented) The method of claim 44,
2 wherein said construction element comprises from less than
3 about 10% up to about 35% adhesive by weight.

1 46. (previously presented) The method of claim 44,
2 wherein said wood fibers, wood chips and/or sawdust are
3 broken down into solid and liquid components within a gas-
4 tight system, the liquid components being separated from the
5 solid components at a temperature in the range from about
6 less than 50° C up to about 90° C, said liquid components
7 being added to said adhesive and applied to said solid
8 components to form said construction element.

1 47. (previously presented) The method of claim 46,
2 wherein said adhesive is applied to said wood fibers, wood
3 chips and/or sawdust at a temperature less than 100° C.

1 48. (previously presented) The method of claim 47,
2 further including the step of drying said wood fibers, wood
3 chips and/or sawdust in a drying device at a drying
4 temperature, and wherein the step of applying adhesive is
5 performed remote of said drying device at a temperature
6 cooler than said drying temperature.

1 49. (previously presented) The method of claim 48,
2 wherein the step of applying adhesive includes spraying an
3 adhesive-gas mixture onto said wood fibers, wood chips
4 and/or sawdust.

1 50. (previously presented) The method of claim 49,
2 wherein said adhesive is applied in an amount such that the
3 resulting construction element contains from amount 45 kg/m³
4 to 55 kg/m³ of adhesive.

1 51. (previously presented) The method of claim 50,
2 wherein the step of applying adhesive includes placing said
3 wood fibers, wood chips and/or sawdust onto a belt weighing
4 machine and maintaining a constant weight ratio of said
5 adhesive applied to said wood fibers, wood chips and/or
6 sawdust.

1 52. (previously presented) The method of claim 51,
2 wherein said wood fibers, wood chips and/or sawdust provided
3 with said adhesive are mixed and/or stirred in a cooled wall
4 vessel.

1 53. (previously presented) The method of claim 52,
2 wherein the step of applying said adhesive includes

3 initially forming a curtain or a mat of said wood fibers,
4 wood chips and/or sawdust and applying the adhesive to said
5 curtain or mat.

1 54. (previously presented) The method of claim 53,
2 further including applying air at a temperature of from
3 about 40° C to about 70° C together with said adhesive to
4 said wood fibers, wood chips and/or sawdust.

1 55. (previously presented) The method of claim 54,
2 wherein the step of applying said adhesive includes also
3 applying a hardening agent to said wood fibers, wood chips
4 and/or sawdust.

1 56. (previously presented) The method of claim 55,
2 wherein said adhesive applied to said wood fibers, wood
3 chips and/or sawdust has an outer surface that is hardened
4 by cross-linking.

1 57. (previously presented) The method of claim 56,
2 further including laminating a finishing component to said
3 construction element at an elevated temperature and
4 completing the hardening by cross-linking of said adhesive.

1 58. (previously presented) The method of claim 44,
2 further including breaking down said wood fibers, wood chips
3 and/or sawdust into solid components and liquid components,
4 adding said liquid components to said adhesive, and applying
5 said adhesive and liquid components to said wood fibers,
6 wood chips and/or sawdust.

1 59. (previously presented) The method of claim 58,
2 further including cooling said liquid components by at least
3 30° C and then applying the liquid components to said wood
4 fibers, wood chips and/or sawdust.

1 60. (previously presented) The method of claim 58,
2 wherein said liquid components include lignin and
3 hemicellulose, said liquid components comprising up to about
4 20 percent by weight of said adhesive.

1 61. (previously presented) The method of claim 58,
2 wherein synthetic material fibers and/or glass fibers are
3 added to said wood fibers, wood chips and/or sawdust.

1 62. (previously presented) The method of claim 58,
2 wherein said adhesive applied to said wood fibers, wood

3 chips and/or sawdust has an outer surface that is hardened
4 by cross-linking.

1 63. (previously presented) The method of claim 62,
2 wherein said wood fibers, wood chips and/or sawdust are
3 charged with steam immediately before pressing.

1 64. (previously presented) The method of claim 63,
2 wherein said recycled wood fibers, wood chips and/or sawdust
3 are obtained from the manufacture of MDF and/or HDF boards
4 for flooring panels and molded parts.

1 65. (previously presented) The method of claim 64,
2 wherein said pressed construction element is coated with at
3 least paper provided with resins and compressed in a press
4 at temperatures above 150° C to laminate said paper to said
5 construction element and complete said hardening by cross-
6 linking said adhesive.

1 66. (previously presented) A construction element made
2 entirely or predominantly from wood fibers, wood chips
3 and/or sawdust provided with adhesive and compressed
4 together, said construction element containing from about 45
5 to about 55 kg/m³ of said adhesive.

1 67. (previously presented) The construction element of
2 claim 66, wherein said adhesive comprises non-hardened
3 resins.

1 68. (previously presented) The construction element of
2 claim 67, wherein said adhesive is selected from the group
3 consisting of urea resins, melamine resins, acrylic resins,
4 epoxy resins, polyester resins or mixtures of the same.

1 69. (previously presented) The construction element of
2 claim 68, wherein said construction element is a board.

1 70. (previously presented) The construction element of
2 claim 69, wherein said board consists essentially of wood
3 fibers secured together with said adhesive.

1 71. (previously presented) The construction element of
2 claim 68, wherein said construction element contains more
3 than 5 percent by weight of said sawdust.

1 72. (previously presented) The construction element of
2 claim 68, wherein said construction element has a density of
3 at least 300 kg/m³.

1 73. (previously presented) The construction element of
2 claim 68, wherein said construction element has a density of
3 less than 1500 kg/m³.

1 74. (previously presented) A construction element
2 produced in accordance with the method of claim 38.

1 75. (previously presented) A laminate panel having a
2 plurality of layers including a carrier board and one or
3 more paper layers, said carrier board being produced in
4 accordance with the method of claim 38.

1 76. (previously presented) The laminate of claim 75,
2 wherein said carrier board has a density greater than 1500
3 kg/m³.